## **CURRICULUM VITÆ**

# HELEN HAI-LING WANG, M.D., DR.P.H.

Office Address:	Department of Pathology, East Campus, Beth Israel Deaconess Medical Center, 330 Brookline Avenue, Boston, MA 02215			
Home Address:				
E-Mail:	FAX:			
Place of Birth:				
Education:				
	M.B. (equivalent to M.D.), National Taiwan University, College of Medicine Taipei, ROC			
	M.P.H. in Epidemiology, Harvard University, School of Public Health, Boston, MA			
	Dr. P.H. in Epidemiology and Biostatistics, Harvard University, School of Public Health, Boston, MA			
Postdoctoral Training:				
 	Rotating Intern, National Taiwan University Hospital, Taipei, R O C Resident in Preventive Medicine, Harvard School of Public Health, Boston MA			
 	Resident in Anatomic Pathology, Beth Israel Hospital, Boston, MA Chief Resident in Pathology, Beth Israel Hospital, Boston, MA			
icensure and Certification	: :			
	Educational Council for Foreign Medical Graduates (ECFMG)			
	Federal Licensure Examination (FLEX) in Massachusetts American Board of Preventive Medicine, General Preventive Medicine			
	American Board of Pathology, Anatomic Pathology			
	American Board of Pathology, Cytopathology			
Academic Appointments:				
1978-80	Assistant Professor in Epidemiology, Department of Community and Family Medicine, Duke University, Durham, NC			
1981-85	Clinical Fellow in Pathology, Harvard Medical School, Boston, MA			
1985-89 1989-98	Instructor in Pathology, Harvard Medical School, Boston, MA			
1989-98	Assistant Professor of Pathology, Harvard Medical School, Boston, MA			

## **Hospital or Affiliated Institution Appointments:**

1985-89	Associate in Pathology, Beth Israel Hospital, Boston, MA
1986-92	Associate Director, Cytology Laboratory, Beth Israel Hospital, Boston, MA
1986-87	Staff Pathologist, Salem Hospital, Salem, MA
1989-96	Associate Pathologist, Beth Israel Hospital, Boston, MA
1996-	Associate Pathologist, Beth Israel Deaconess Medical Center, Boston, MA
1992-96	Medical Director, Cytology Laboratory, Beth Israel Hospital, Boston, MA
1996-	Medical Director, Cytopathology, Beth Israel Deaconess Medical Center, Boston, MA

## **Other Professional Positions and Major Visiting Appointments:**

March, 1990 Visiting Pathologist, The Sun Yat-Sen Cancer Center Hospital, Taipei, ROC

## **Hospital and Health Care Organization Service Responsibilities:**

1985-89	Associate in Pathology, Beth Israel Hospital, Boston, MA
1986-87	Staff Pathologist, Salem Hospital, Salem, MA
1989-96	Associate Pathologist, Beth Israel Hospital, Boston, MA
1996-	Associate Pathologist, Beth Israel Deaconess Medical Center, Boston, MA

## **Major Administrative Responsibilities:**

1986-92	Associate Director, Cytology Laboratory, Beth Israel Hospital, Boston, MA
1992-96	Medical Director, Cytology Laboratory, Department of Pathology, Beth Israel
	Hospital, Boston, MA
1996-	Medical Director, Cytopathology, Department of Pathology, Beth Israel
	Deaconess Medical Center, Boston, MA

## **Major Committee Assignments:**

1980-84	Epidemiology and Disease Control Study Section, Division of Research Grants, National Institutes of Health, Bethesda, MD
1987-89	Behavioral and Neurosciences Study Section (Subcommittee 2), Division of Research Grants, National Institutes of Health, Bethesda, MD
July, 1988	Special Study Section to Review Small Business Innovation Research Grant Applications, National Institutes of Health, Bethesda, MD
1989	Physiological Sciences Study Section, Division of Research Grants, National Institutes of Health, Bethesda, MD
September, 1990	Cancer Clinical Investigation Review Committee, National Cancer Institute, Bethesda, MD - ad hoc member
1992-94	Fogarty International Research Collaboration Awards Study Section, Fogarty International Center, National Institutes of Health, Bethesda, MD
1999-2001	United States and Canadian Academy of Pathology, Education Committee. Abstract Review Board

## **Professional Societies:**

1985-	College of American Pathologists
1985-	Gastrointestinal Pathology Society
1986-	American Society of Cytopathology

1987- United States and Canadian Academy of Pathology

1988-1994-Massachusetts Society of PathologistsPapanicolaou Society of Cytopathology

#### **Editorial Boards:**

1993-98	Ad hoc Reviewer: Diagnostic Cytopathology
1994	Ad hoc Reviewer: New England Journal of Medicine
1995-	Ad hoc Reviewer: Cancer and Cancer Cytopathology
1995	Ad hoc Reviewer: Cancer Causes and Control
4000	Diagnostic Cytonothelesus

1998- Diagnostic Cytopathology

2004- Ad hoc Reviewer: American Journal of Gastroenterology

#### Awards and Honors:

December 2.	1989	For excellence as	a teacher a	and a clinician	. from Gastrointestina	al
December 2,	1909	I OI EXCEILENCE AS	a leadilei a	and a cilinician,	, mom Gashoniesimi	וג

Division at the Beth Israel Hospital, Boston, MA

March 6, 1990 Certificate of Merit, Stowell-Orbison Award at the 79th Annual

Meeting of the United States-Canadian Academy of Pathology, for "The Cell Block for Body Cavity Fluids: Do the Results Justify the

Cost?"

March 19, 1991 Certificate of Merit, Stowell-Orbison Award at the 80th Annual

Meeting of the United States-Canadian Academy of Pathology, for "Nature and Significance of Cells with Irregular Nuclear Contours

(CINC) in Esophageal Mucosal Biopsies"

## Report of Teaching:

#### 1. Local contributions

#### a. Medical school

1981-83	Human Pathology (HST-030), Harvard-MIT Division of Health Sciences and Technology; Laboratory Instructor; 30 medical students; two hours of contact time; hours of preparation.
1983-89	Pathophysiology 703.0 (Gastrointestinal Pathophysiology), Harvard
	Medical School; Laboratory Instructor; 20 medical students; two hours of
	contact time; hours of preparation.
1995-	Gastrointestinal Module of Human Systems Course, Interdepartmental
	708.0, Harvard Medical School; Pathology Laboratory Instructor; 20
	medical students; two hours of contact time; hours of preparation.
1999	Advanced Biomedical Science Course, "Biology of Solid Tumor

Progression," Harvard Medical School; Lecturer; 6 medical students; two

hours of contact time; days of preparation.

#### b. Graduate medical education

1986- Selected topics on cytopathology, e.g. breast FNA, thyroid FNA, Lymph

node FNA, bone and soft tissue FNA, GI and pulmonary cytology; Lecturer: 20 – 30 residents/fellows: twice a year: one-hour contact time:

hours of preparation.

1986- Selected topics on cytopathology, e.g. breast FNA, thyroid FNA, bone and

soft tissue FNA, etc.; tutor at a multi-headed scope; 1-4 residents/fellows;

3-4 times a year; one-hour contact time; hours of preparation.

### c. Local invited teaching presentations

May 12, 1999 Obstetrics and Gynecology Grand Rounds: "Debate on the Use of Pap

Smears Versus ThinPrep" at Beth Israel Deaconess Medical Center,

Boston, MA

## d. Continuing medical education courses

1989-95 "Gastrointestinal Cytology" in Advances in Cytology — Harvard Medical

School Continuing Education Course, Boston, MA

1996- "Pulmonary Cytology" in Advances in Cytology — Harvard Medical School

Continuing Education Course, Boston, MA

1996-2001 "Update on Prognostic Markers in Gastrointestinal Malignancies" in

Gastrointestinal and Pancreatic Pathology — Harvard Medical School

Continuing Education Course, Boston, MA

1998- "Selected Topics in Cytology of GI Tract, Liver, and Pancreas" in

Gastrointestinal and Pancreatic Pathology — Harvard Medical School

Continuing Education Course, Boston, MA

#### e. Teaching leadership role

1992-96 Program Director, Cytopathology Fellowship Program, Department of

Pathology, Beth Israel Hospital, Boston, MA

1996- Program Director, Cytopathology Fellowship Program, Department of

Pathology, Beth Israel Deaconess Medical Center, Boston, MA

April 28, 2004 Reviewer of Internal Site Visit of Gastroenterology Fellowship Program at

Beth Israel Deaconess Medical Center

## 2. Regional, national, or international contributions

#### a. Invited presentations

June 30, 1988 "Fine Needle Aspiration Biopsy in Cancer Diagnosis and Management" at

the Second International Symposium and Workshops of the Society of

Chinese Bioscientists in America, Berkeley, CA

November 6, 1991 Topics in Cytology Lecture: "Epidemiologic Aspects of the Papanicolaou

Smear: A Model for Cancer Screening" at the 39th Annual Meeting of the

American Society of Cytology, Los Angeles, CA

January, 1993 "Gastrointestinal Cytology" in Clinical Cytopathology Symposium and

Workshop, Dubai, United Arab Emirates

May 1, 1993	"Glandular Lesions on Pap Smears" Spring Workshop of Upper New York State Society of Cytology, Kingston, NY
November 4, 1993	"Cytopathology" at the New England Pathology Residents' Society Meeting, Boston, MA
June 8, 1994	"Fine Needle Aspiration of Breast" at the Massachusetts Society of Cytology Meeting, Framingham, MA
March 31, 1995	"Glandular Abnormalities in Cervico-Vaginal Cytology" at the 13th Annual Cytopathology Workshop - Baystate Medical Center Continuing Education Course, Springfield, MA
March 31, 1995	""Fine Needle Aspiration of the Breast" at the 13th Annual Cytopathology Workshop - Baystate Medical Center Continuing Education Course, Springfield, MA
April 6, 1995	""Breast FNA: Differential Diagnosis by Cytologic Features" at the 1995 National Health Lab Cytology Teleconference Series
March 6, 1996	"Fine Needle Aspiration of the Thyroid" at the Annual Meeting of Clinical Laboratory Science Society of Central New England, Marlborough, MA
May 2, 1998	"Atypical Glandular Cells on Pap Smears" at the 13th Annual Scientific Meeting of the Vermont/New Hampshire Cytotechnology Association, Lincoln, NH
September 28, 1998	"Cytology" at a Special Symposium on Columnar-Lined (Barrett's) Esophagus, Boston, MA
January 28, 1999	Pathology Grand Rounds: "Update on Prognostic Markers of Colorectal Carcinomas" at the University of South Florida, Tampa, FL
January 29, 1999	Topics in Pathology Practice: "Atypical Glandular Cells on Pap Smear" at the University of South Florida, Tampa, FL
March 6, 1999	"Pulmonary Cytology" in Sixth Annual Long Island Cytology Seminar, Melville, NY
January 10, 2000	"Breast Fine Needle AspirationOld Technique for Old Diseases in the New Millennium" at the New England Pathology Residents' Society Meeting, Boston, MA
September 3, 2000	"Is there data that indicate that brush cytology is a valuable aid in the detection of high-grade dysplasia that is missed on biopsy?" at the sixth World Congress of the International Organization for Studies on Diseases of the Esophagus, Paris, France
October 13, 2000	"Cytology of Dysplasia in the GI Tract" at the Gastrointestinal Pathology Society Companion Meeting of the American Society of Clinical Pathologists/College of American Pathologists Fall Annual Meeting, San Diego, CA
September 28, 2001	"Respiratory Cytopathology" at the Continuing Education Program jointly sponsored by the AC Camargo Hospital of Cancer and the Brazilian Society of Pathology, São Paulo, Brazil
September 29, 2001	"Cytology Case Seminar" at the Continuing Education Program jointly sponsored by the AC Camargo Hospital of Cancer and the Brazilian Society of Pathology, São Paulo, Brazil
September 30, 2001	"Breast Fine Needle Aspiration" at the Special Conference sponsored by the Brasilian Society of Cytology, Brasilia, Brazil
November 17, 2001	"Cervical Neoplasia Screening in the New Millennium" at "2001 Pathology Update in Taipei" sponsored by the Chang Gung Memorial Hospital and Chang Gung Medical School, Linkou, Taiwan, Republic of China
November 18, 2001	"Cytology Case Seminar" at the Annual Meeting of Taiwan Society of Pathology, Linkou, Taiwan, Republic of China
March 24, 2002	"The Bethesda System 2002" at "Symposium on Pathology of the Female Genital Tract" sponsored by Taiwan Society of Pathology, Kaohsiung, Taiwan, Republic of China
March 24, 2002	"Case Seminar of Pap Smears" at "Symposium on Pathology of the Female Genital Tract" sponsored by Taiwan Society of Pathology, Kaohsiung, Taiwan, Republic of China

March 9, 2004
Panelist for the Liver Evening Specialty Conference at the Annual meeting of the United States-Canadian Academy of Pathology, Vancouver, BC, Canada

June 10, 2004
"Thyroid FNA: its use and limitations" as Milton R. Hales Lecture in Pathology at West Virginia University School of Medicine, Morgantown,

b. Professional and educational leadership role

March, 1996 Moderator of Gastrointestinal Proferred Session at the Annual Meeting of the United States-Canadian Academy of Pathology, Orlando, FL March 27, 2000 Moderator of Cytopathology Proferred Session at the Annual Meeting of

The United States-Canadian Academy of Pathology, New Orleans, LA

Major curriculum offerings teaching cases or innovative educational programs developed

1991- "Aspiration Cytology of Breast: A Practical Approach to Diagnosis" at

American Society of Clinical Pathologists Annual Meetings

1998-2001 "Fine Needle Aspiration of Breast: Diagnosis and Management

According to the Probability of Carcinoma" - Short Course at the Annual Meeting of the United States-Canadian Academy of

Pathology

2002- "Cervical Neoplasia Screening in the New Millennium" – Short Course

at the Annual Meeting of the United States-Canadian Academy of

Pathology

## **Bibliography**

#### **Original Articles:**

- Wang HH, MacMahon B. Mortality of workers employed in the manufacture of chlordane and heptachlor. J Occup Med 1979; 21:745-8.
- 2. Wang HH, MacMahon B. Mortality of pesticide applicators. J Occup Med 1979; 21:741-4.
- 3. **Wang HH**, Grufferman S. Aplastic anemia and occupational pesticide exposure: a case-control study. J Occup Med 1981; **23:**364-6.
- 4. Grufferman S, **Wang HH**, DeLong ER, Kimm SYS, Delzell ES, Falletta JM. Environmental factors in the etiology of rhabdomyosarcoma in childhood. J Natl Cancer Inst 1982; **68**[1]:107-13.
- 5. Matsumori A, **Wang HH**, Abelmann WH, Crumpacker CS. Treatment of viral myocarditis with ribavirin in an animal preparation. Circulation 1985; **71**[4]:834-9.
- 6. **Wang HH**, Antonioli DA, Goldman H. Comparative features of esophageal and gastric adenocarcinomas: Recent changes in type and frequency. Hum Pathol 1986; **17**:482-7.
- 7. MacMahon B, Monson RR, **Wang HH**, Zheng T. A second follow-up of mortality in a cohort of pesticide applicators. J Occup Med 1988; **30**[5]:429-32.
- 8. **Wang HH**, Owings DV, Antonioli DA, Goldman H. Increased subepithelial collagen deposition is not specific for collagenous colitis. Mod Pathol 1988; **1**[5]:329-35.
- 9. Hann L, Ducatman BS, **Wang HH**, Fine V, McIntire JM. Non-palpable breast lesions: evaluation by fine needle aspiration cytology. Radiology 1989; **171**:373-6.
- 10. Schnitt SJ, **Wang HH**. Histologic sampling of grossly benign breast biopsies: how much is enough? Am J Surg Pathol 1989; **13**[6]:505-12.
- 11. Ducatman BS, Hogan CL, **Wang HH**. A triage system for processing fine needle aspiration cytology. Acta Cytol 1989; **33**[6]:797-9.
- 12. **Wang HH**, Ducatman BS, Eick D. Comparative features of ductal carcinoma in situ and infiltrating ductal carcinoma of the breast on fine needle aspiration biopsy. Am J Clin Pathol 1989; **92**:736-40.
- 13. Jonasson JG, Ducatman BS, **Wang HH**. The cell block for body cavity fluids: do the results justify the cost? Mod Pathol 1990; **3**[6]:667-70.
- 14. **Wang HH**, Jonasson JG, Ducatman BS. Brush cytology of the upper gastrointestinal tract: obsolete or not? Acta Cytol 1991; **35**[2]:195-8.
- 15. **Wang HH**, Ducatman BS, Thibault S. Cytologic features of premalignant glandular lesions in the upper gastrointestinal tract. Acta Cytol 1991; **35**[2]:199-203.
- 16. Abendroth CS, **Wang HH**, Ducatman BS. Comparative features of carcinoma *in situ* and atypical ductal hyperplasia of breast on fine needle aspiration biopsy. Am J Clin Pathol 1991; **96**:654-9.
- 17. Mangano MM, Antonioli DA, Schnitt SJ, **Wang HH**. Nature and significance of cells with irregular nuclear contours in esophageal mucosal biopsies. Mod Pathol 1992; **5**:191-6.

- 18. Jonasson JG, **Wang HH**, Antonioli DA, Ducatman BS. Tubal metaplasia of the uterine cervix: a prevalence study in patients with gynecologic pathologic findings. Int J Gynecol Pathol 1992; **11**:89-95.
- 19. Jonasson JG, **Wang HH**, Porter DH, Tyagi G, Ducatman BS. Image-directed percutaneous biopsy: a comparison of cytology and histology. Cancer 1992; **70**:2187-91.
- 20. Malamud Y, Ducatman BS, **Wang HH**. Comparative features of comedo and non-comedo ductal carcinoma in situ of the breast on fine needle aspiration biopsy. Diagn Cytopathol 1992; **8**:571-6.
- 21. **Wang HH**, Lach LL, Kadin ME. Epidemiology of lymphomatoid papulosis. Cancer 1992; **70**:2951-7.
- 22. Crystal BS, **Wang HH**, Ducatman BS. A comparison of different preparation techniques for fine needle aspiration specimens. A semiquantitative and statistical analysis. Acta Cytol 1993; **37**[1]:24-8.
- 23. Ducatman BS, **Wang HH**, Jonasson JG, Hogan CL, Antonioli DA. Tubal metaplasia: A cytologic study with comparison to other neoplastic and non-neoplastic conditions of the endocervix. A cytologic study. Diagn Cytopathol 1993; **9**:98-105.
- 24. Gardner HAR, Ducatman BS, **Wang HH**. Predictive value of fine needle aspiration of the thyroid in the classification of follicular lesions. Cancer 1993; **71**:2598-603.
- 25. Yeo K-T, **Wang HH**, Nagy JA, Sioussat TM, Ledbetter SR, Hoogewerf AJ, Zhou Y, Masse EM, Senger DR, Dvorak HF, Yeo T-K. Vascular permeability factor (vascular endothelial growth factor) in guinea pig and human tumor and inflammatory effusions. Cancer Res 1993; **53**:2912-8.
- 26. Gonzalez JL, **Wang HH**, Ducatman BS. Fine needle aspiration of Hürthle cell lesions: A cytomorphologic approach to diagnosis. Am J Clin Pathol 1993; **100**:231-35.
- 27. Ducatman BS, Emery ST, **Wang HH**. Correlation of histologic grade of breast carcinoma with cytologic features on fine needle aspiration of breast. Mod Pathol 1993; **6**:539-43.
- 28. **Wang HH**, Mangano MM, Antonioli DA. Evaluation of T-lymphocytes in esophageal mucosal biopsies. Mod Pathol 1994; **7**:55-8.
- 29. Garcia LW, Ducatman BS, **Wang HH**. The value of multiple fluid specimens in the cytological diagnosis of malignancy. Mod Pathol 1994; **7**:665-8.
- 30. **Wang HH**, Hsieh C-c, Antonioli DA. Rising incidence rate of esophageal adenocarcinoma and use of pharmaceutical agents that relax the lower esophageal sphincter: an hypothesis. Cancer Causes & Control 1994; **5**:573-8.
- 31. Spechler SJ, Zeroogian JM, Antonioli DA, **Wang HH**, Goyal RK. Prevalence of metaplasia at the gastro-oesophageal junction. Lancet 1994; **344**:1533-6.
- 32. Abu-Jawdeh GM, Trawinski GM, **Wang HH**. Histocytologic study of squamous atypia on pap smears. Mod Pathol 1994; **7:**920-4.
- 33. Mowschenson PM, Hodin RA, **Wang HH**, Upton M, Silen W. Fine needle aspiration of normal thyroid tissue may result in the misdiagnosis of follicular neoplasms. Surgery 1994; **116:**1006-9.
- 34. Fraser JL, Antonioli DA, Chopra S, **Wang HH**. Prevalence and non-specificity of microvesicular fatty change in the liver. Mod Pathol 1995; **8:**65-70.

- 35. Beckwith BA, Abu-Jawdeh GM, Burke L, **Wang HH**. Lack of utility of Pap smears obtained at colposcopy with tissue sampling. J Gynecol Surg 1995; **11**:85-9.
- 36. Resnick MB, Gallinger S, **Wang HH**, Odze RD. Growth factor expression and proliferation kinetics in periampullary neoplasms in familial adenomatous polyposis. Cancer 1995; **76**:187-94.
- 37. **Wang HH**, Sovie S, Trawinski G, Garcia LW, Abu-Jawdeh GM, Upton M, Werneke S. ThinPrep processing of endoscopic brushing specimens. Am J Clin Pathol 1996; **105**:163-7.
- 38. Collins LC, **Wang HH**, Abu-Jawdeh GM. The qualifiers of atypical squamous cells of undetermined significance help in patient management. Mod Pathol 1996; **9**:677-81.
- 39. **Wang HH**, Zeroogian JM, Spechler SJ, Goyal RK, Antonioli DA. Prevalence and significance of pancreatic acinar metaplasia at the gastroesophageal junction. Am J Surg Pathol 1996; **20**:1507-10.
- 40. **Wang HH**, Sovie S, Zeroogian JM, Spechler SJ, Goyal RK, Antonioli DA. Value of cytology in detecting intestinal metaplasia and associated dysplasia at the gastroesophageal junction. Hum Pathol 1997; **28**:465-71.
- 41. Siziopikou KP, **Wang HH**, Abu-Jawdeh G. Cytologic features of neoplastic lesions in endocervical glands. Diagn Cytopathol 1997; **17**:1-7.
- 42. Lee W-Y, **Wang HH**. Fine needle aspiration is limited in the classification of benign breast diseases. Diagn Cytopathol 1998; **18**:56-61.
- Sidawy MK, Stoler MH, Frable WJ, Frost AR, Masood S, Miller TR, Silverberg SG, Sneige N, Wang HH. Interobserver variability in the classification of proliferative breast lesions by fineneedle aspiration: Results of the Papanicolaou Society of Cytopathology Study. Diagn Cytopathol 1998; 18:150-65.
- 44. **Wang HH**, Ducatman BS. Fine needle aspiration of the breast: A probabilistic approach to diagnosis of carcinoma. Acta Cytol 1998; **42**:285-9.
- 45. Kaplan MA, Segura AM, **Wang HH**, Schnitt SJ, Upton MP. Evaluation of Cytolyt<sup>®</sup> and PreseryCyt<sup>®</sup> as preservatives for immunocytochemistry for cytokeratin in fine needle aspiration. Appl Immunohistochem 1998: **6**:23-9.
- 46. Chen Y-Y, Antonioli DA, Spechler SJ, Zeroogian JM, Goyal RK, **Wang HH**. Gastroesophageal reflux disease versus *Helicobacter pylori* infection as the cause of gastric carditis. Mod Pathol 1998; **11**:950-6.
- 47. Torres C, Turner JR, **Wang HH**, Richards W, Sugarbaker D, Shahsafaei A, Odze RD. Pathologic prognostic factors in Barrett's-associated adenocarcinoma: A follow-up study of 96 patients. Cancer 1999; **85**:520-8.
- 48. Glickman JN, Torres C, **Wang H**, Turner JR, Shahsafaei A, Richards WG, Sugarbaker DJ, Odze RD. Prognostic significance of lymph node micrometastasis in esophageal carcinoma. Cancer 1999; **85**:769-78.
- 49. Gulizia JM, **Wang H**, Antonioli D, Spechler SJ, Zeroogian J, Goyal R, Shahsafaei A, Chen Y, Odze RD. Proliferative characteristics of intestinalized mucosa in the distal esophagus and gastroesophageal junction (short-segment Barrett's esophagus): A case control study. Hum Pathol 1999: **30**:412-8.

- 50. Torres C, **Wang H**, Turner J, Shahsafaei A, Odze RD. Prognostic significance and effect of chemoradiotherapy on microvessel density (angiogenesis) in esophageal adenocarcinoma and squamous cell carcinoma. Hum Pathol 1999; **30**:753-8.
- 51. Torres CM, **Wang HH**, Turner JR, Richards W, Sugarbaker D, Shahsafaei A, Odze RD. Pathologic prognostic factors in esophageal squamous cell carcinoma: A follow-up study of 74 patients with or without preoperative chemoradiation therapy. Mod Pathol 1999; **12**:961-8.
- 52. **Wang HH**, Myers T, Lach LJ, Hsieh C-c, Kadin ME. Increased risk of lymphoid and nonlymphoid malignancies in patients with lymphomatoid papulosis. Cancer 1999; **86**:1240-5.
- 53. Sharifi S, Ducatman BS, **Wang HH**, Fraser JL. Peritoneal washing cytology is unnecessary in gynecologic surgery for benign diseases. Cancer (Cancer Cytopathol) 1999; **87**:259-62.
- 54. Chen YY, **Wang HH**, Antonioli DA, Spechler SJ, Zeroogian JM, Goyal R, Shahsafaei A, Odze RD. Significance of acid-mucin-positive nongoblet columnar cells in the distal esophagus and Gastroesophageal junction. Hum Pathol 1999; **30**:1488-95.
- 55. Turner JR, Torres CM, **Wang HH**, Shahsafaei A, Richard WG, Sugarbaker D, Odze RD. Preoperative chemoradiotherapy alters the expression and prognostic significance of adhesion molecules in Barrett's-associated adenocarcinoma. Hum Pathol 2000; **31**(3):347-53.
- 56. Glickman JN, **Wang H**, Das KM, Goyal RK, Spechler SJ, Antonioli D, Odze RD. Phenotype of Barrett's esophagus and intestinal metaplasia of the distal esophagus and gastroesophageal junction: An immunohistochemical study of cytokeratins 7 and 20, DAS-1 and 45Ml. Am J Surg Pathol 2001; **25**(1):87-94.
- 57. Collins L, Niloff J, Burke L, Abu-Jawdeh G, **Wang H**. Relative risk of high grade squamous intraepithelial lesion associated with prior abnormal Pap smears. J Reprod Med 2001;**46**(2):105-9.
- 58. Kulke MH, Thakore KS, Thomas G, **Wang H**, Loda M, Eng C, Odze RD. Microsatellite instability and hMLH1/hMSH2 expression in Barrett's esophagus-associated adenocarcinoma. Cancer 2001; **91**(8):1451-7.
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- 61. Kulke MH, Odze RD, Thakore KS, Thomas G, **Wang H**, Loda M, Eng C. Allelic loss of 10q23, the *PTEN* tumour suppressor gene locus, in Barrett's oesophagus-associated adenocarcinoma. Br J Cancer 2001; **84**(6):748-53.
- 62. Zhang Y, Fraser JL, **Wang HH**. Morphologic predictors of papillary carcinoma on fine needle aspiration of thyroid with ThinPrep preparations. Diagn Cytopathol 2001; **24**(6):378-83.
- 63. Glickman JN, Fox V, Antonioli DA, **Wang HH**, Odze, RD. Morphology of the cardia and significance of carditis in pediatric patients. Am J Surg Pahtol 2002;**26**(8):1032-1039.
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- 66. Wieczorek TJ, **Wang HH**, Antonioli DA, Glickman JN, Odze RD. Pathologic features of reflux and *Helicobacter pylori*-associated carditis. Am J Surg Pathol 2003;**27**(7):960-968.
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- 69. Eedes CR, **Wang HH**. Cost-effectiveness of immediate specimen adequacy assessment of thyroid fine needle aspirations. Am J Clin Pathol 2004;**121**:64-69.
- 70. Shaz BH, Reddy SI, Ayata G, Brien TP, Farraye FA, Antonioli DA, Odze RD, **Wang HH**. Sequential clinical and histopathologic changes in collagenous and lymphocytic colitis over time. Med Pathol 2004;**17**:395-401.
- 71. Mutinga ML, Odze RD, **Wang HH**, Hornick JL, Farraye FA. The clinical significance of right-sided colonic inflammation in patients with left sided chronic ulcerative colitis. Inflamm Bowel Dis 2004;**10**:215-219.
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- 73. Kulke MH, Odze RD, Mueller JD, **Wang HH**, Redston M, Bertagnolli MM. Prognostic significance of vascular endothelial growth factor and cyclooxygenase 2 expression in patients receiving preoperative chemoradiation for esophageal cancer. J Thorac Cardiovasc Surg 2004;**127**(6):1579-1586.

### Reviews, Chapters, and Editorials:

- Geisinger KR, Wang HH, Ducatman BS, Teot LA. Gastrointestinal cytology. In: Hajdu SI, ed. Values and Limitations of Cytologic Examination [in the series Clinics in Laboratory Medicine, Volume 11]. Philadelphia: W.B. Saunders; 1991.p.403-41.
- 2. Silverman JF, Masood S, Ducatman BS, **Wang HH**, Sneige N. Can FNA biopsy separate atypical hyperplasia, carcinoma in situ, and invasive carcinoma of the breast? Cytomorphologic criteria and limitations in diagnosis. Diagn Cytopathol 1993; **9**:713-28.
- 3. **Wang HH**. Gastrointestinal tract. In: Cibas ES, Ducatman BS, eds. **Cytology. Diagnostic Principles and Clinical Correlates**. Philadelphia: W.B. Saunders; 1996.p.171-87.
- Connolly JL, Schnitt SJ, Wang HH, Dvorak AM, Dvorak HF. Principles of cancer pathology. In: Holland JF, Bast RC Jr, Morton DL, Frei E IIIrd, Kufe DW, Weichselbaum RR, eds. Cancer Medicine, 4<sup>th</sup> Edition. Baltimore: Williams & Wilkins: 1997.p.533-55.
- 5. Antonioli D, **Wang HH**. Morphology of Barrett's esophagus and Barrett's-associated dysplasia and adenocarcinoma. In: Spechler SJ, ed. **The Columnar-Lined Esophagus** [in the series

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Abstracts: (only those containing data not yet published in complete form.)

1. through 15. Unpublished data deleted.